AUS 9400 7831 4US

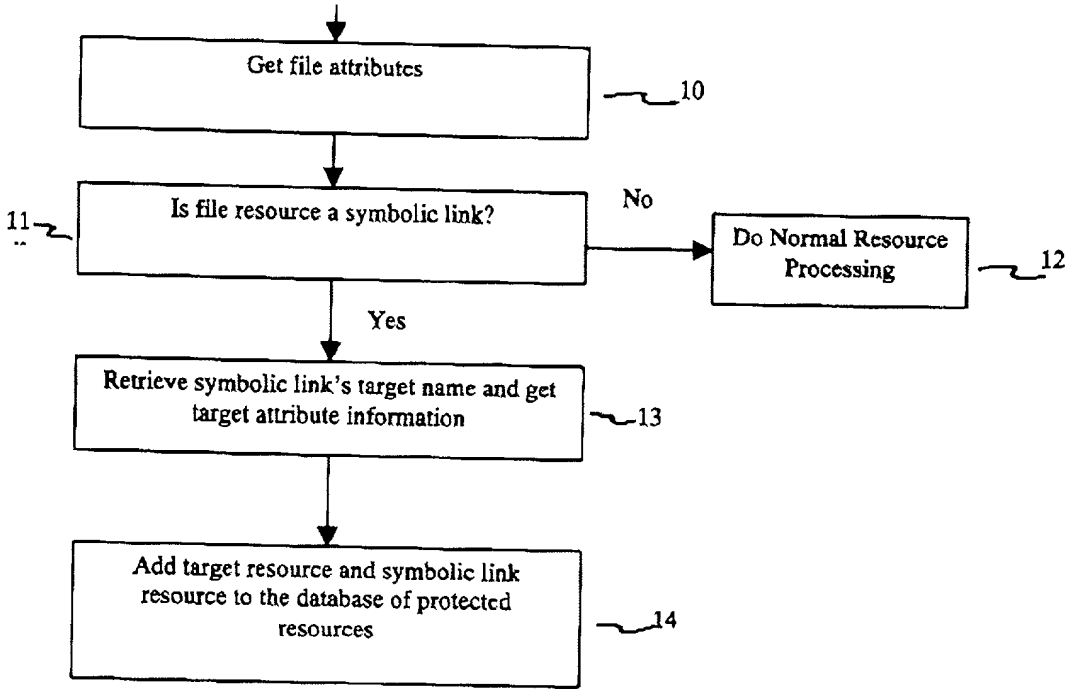


Figure 1

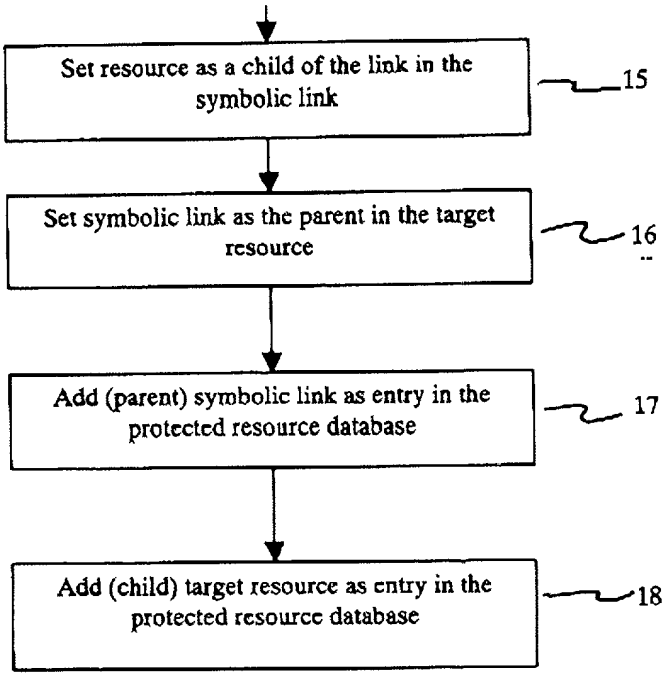

Set resource as a child of the link in the symbolic link
15
Set symbolic link as the parent in the target resource
16
Add (parent) symbolic link as entry in the protected resource database
17
Add (child) target resource as entry in the protected resource database
18

Figure 2

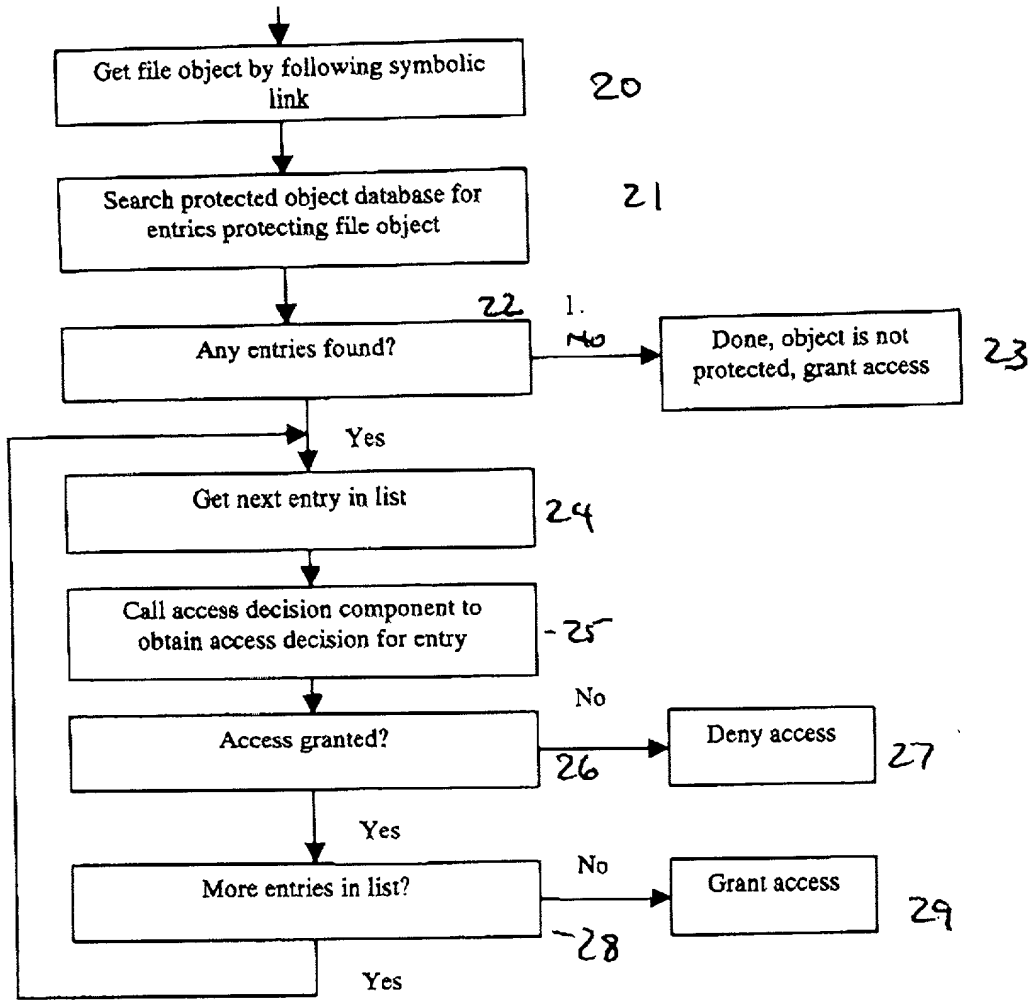

Get file object by following symbolic link
20
Search protected object database for entries protecting file object
21
Any entries found?
22
No
Done, object is not protected, grant access
23
Yes
Get next entry in list
24
Call access decision component to obtain access decision for entry
25
Access granted?
No
Deny access
27
26
Yes
More entries in list?
No
Grant access
29
28
Yes

Figure 3

417
AUS920010162

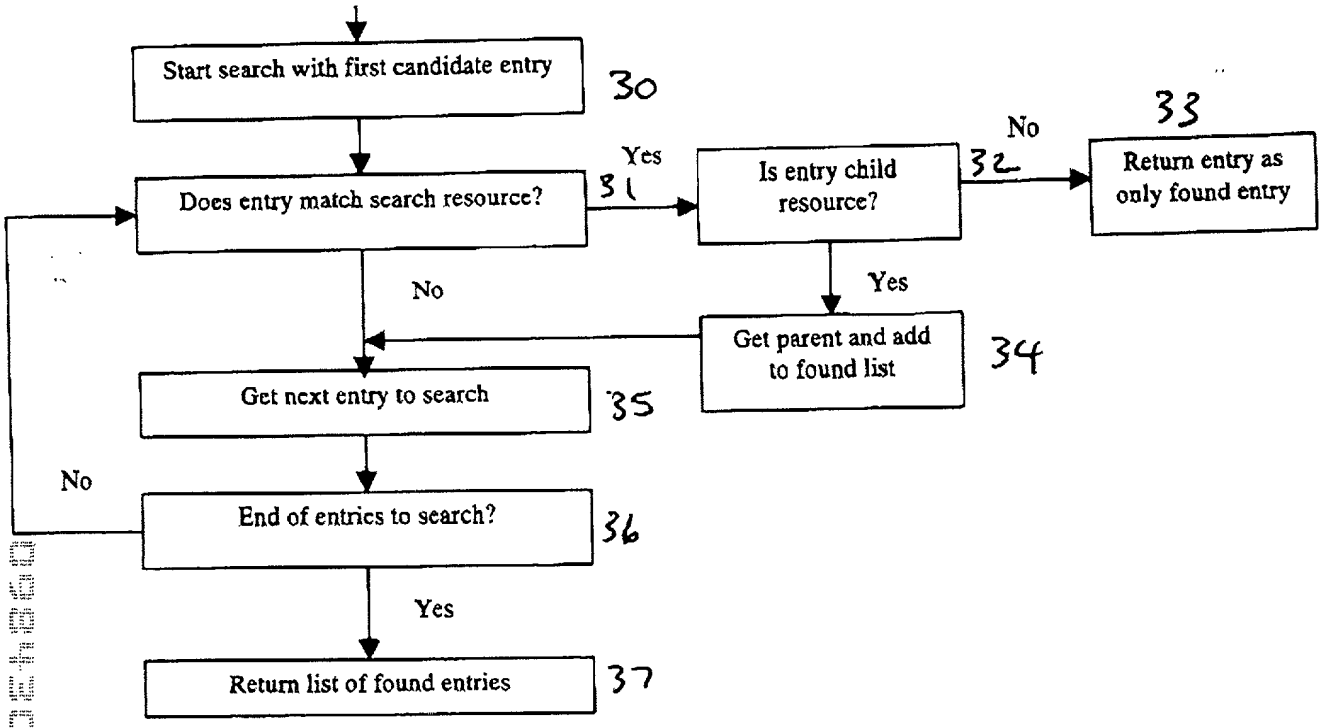


Figure 4

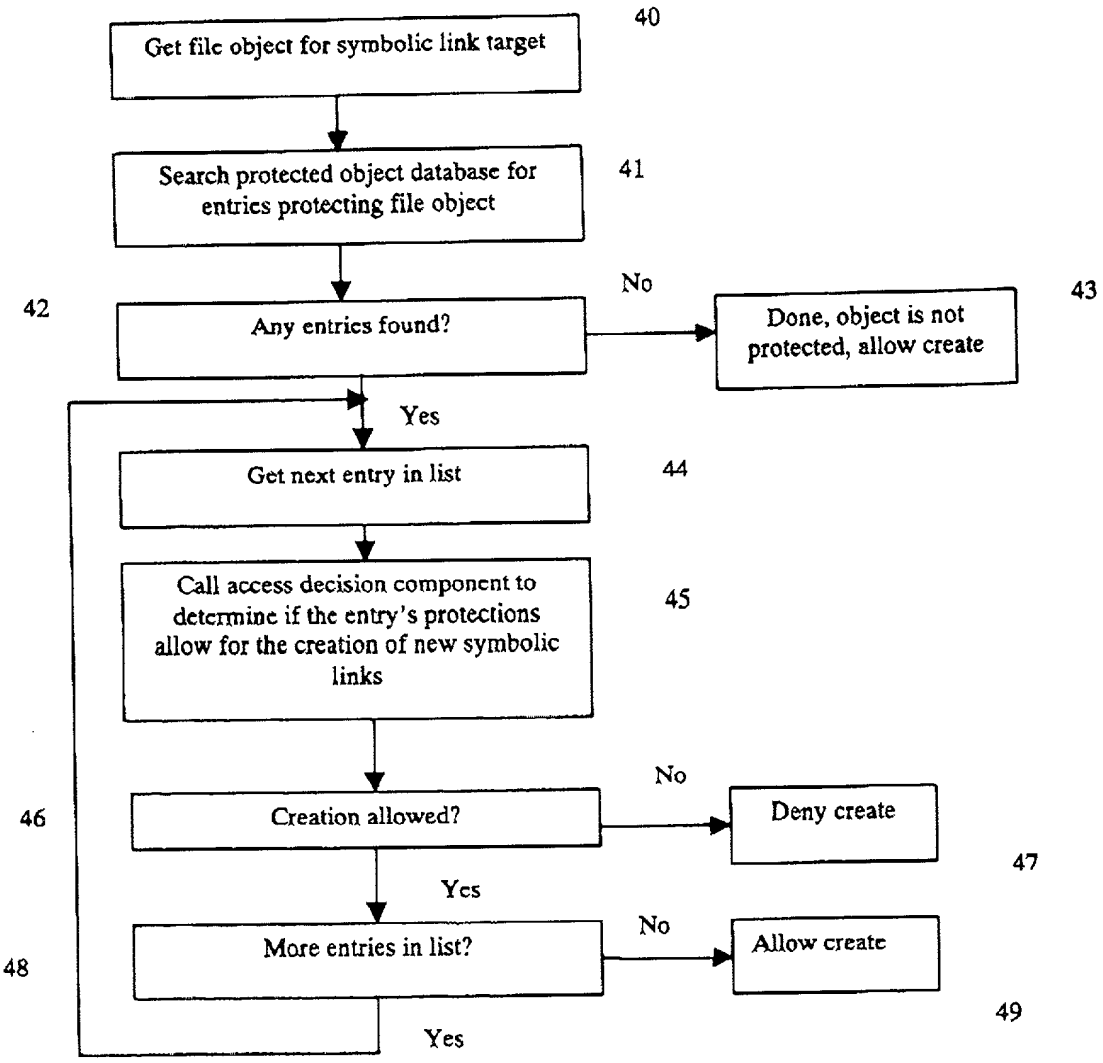

Get file object for symbolic link target
40
Search protected object database for entries protecting file object
41
Any entries found?
42
No
Done, object is not protected, allow create
43
Yes
Get next entry in list
44
Call access decision component to determine if the entry's protections allow for the creation of new symbolic links
45
Creation allowed?
46
No
Deny create
47
Yes
More entries in list?
48
No
Allow create
49
Yes

Figure 5

Example High Level Architecture Relationship between an External Authorization Manager and the Described Symbolic Link Security Method

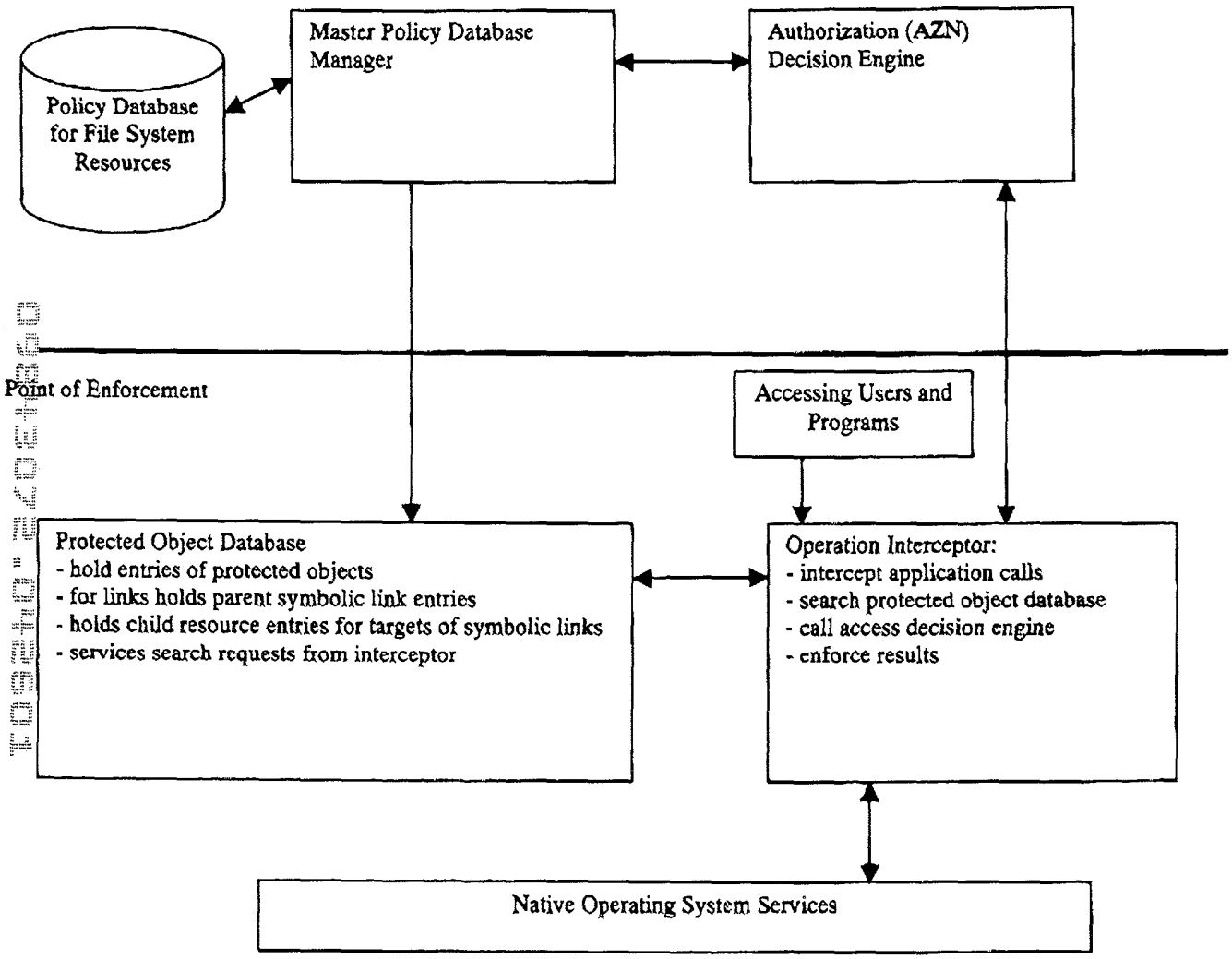
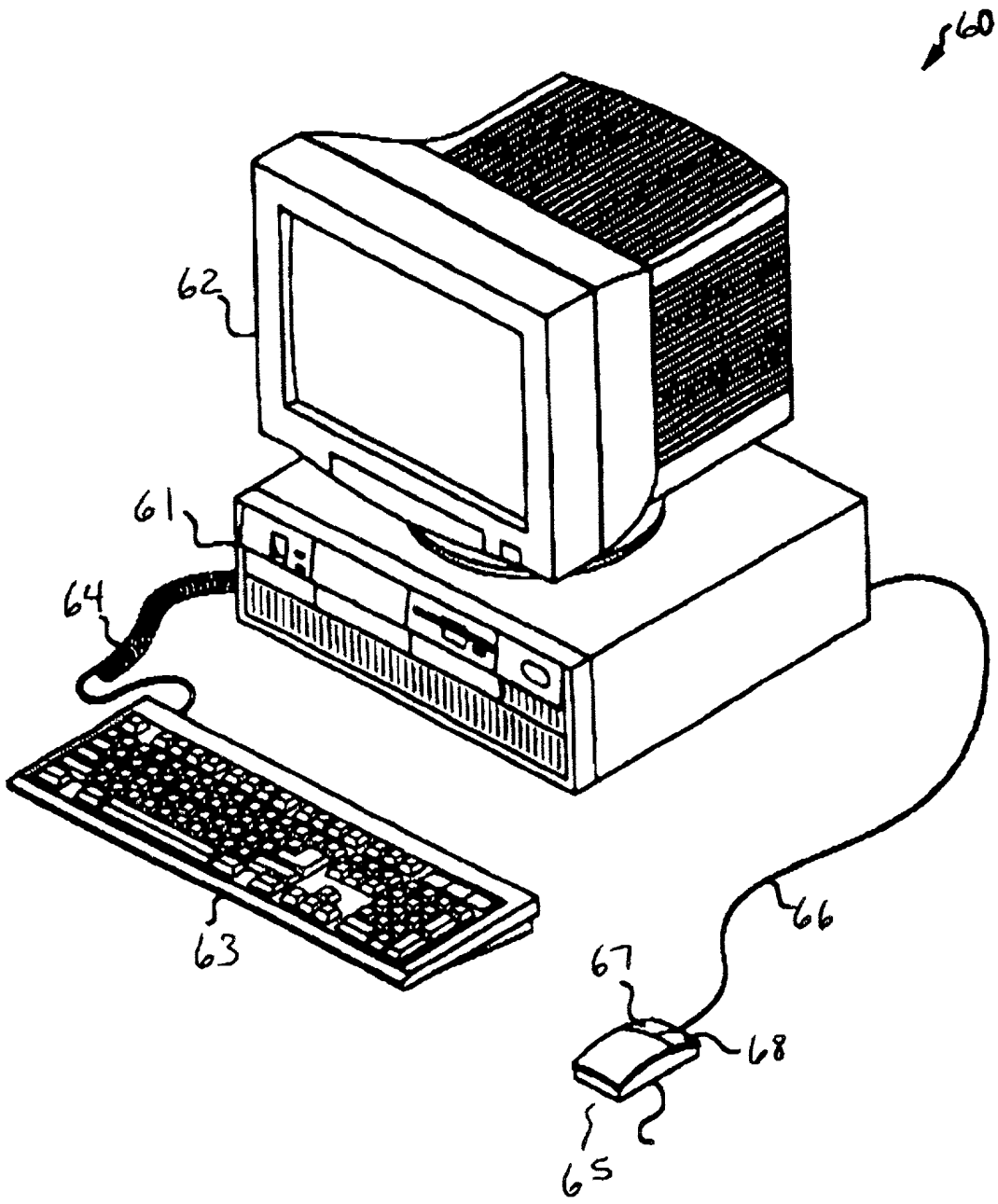


Figure 6



FOR-PTO: 7137721255 03-29-01 15:03 PAGE 06